

Model "A" Specifications

Source: <https://sacramentocapitolas.org/>

Engine

Four cylinders	
Horsepower	40
Compression ratio	4.22:1
Displacement	200.5 Cu. In.
Bore	3.876"
Stroke	4.25"
Oil Pressure	2 to 3 lbs depending on weight of oil

Capacities

Engine oil	5 quarts	4 quarts when changing oil	1 quart stays in pan
Cooling system	3 Gallons		
Radiator only	1 ½ gallons		
Transmission oil	1 ½ pints	600W	
Differential	2 ¼ pints	600W	
Gas Tank 28-29	10 Gallons		
Gas Tank 30-31	11 Gallons		
Steering (7 tooth)	7 ¾ ounces	600w oil	
(2 tooth)	4 ½ ounces	600w oil	
Tire Pressure	35 PSI		

Tune Up Specs

Firing order	1-2-4-3
Rotation	Counterclockwise
Spark plug gap	.035"
Point Gap	.018" - .022"
Rotor to distributor body	.035"
Spark manual advance	20 degrees
Compression	64 PSI On a strong engine no more than 5psi variance on all cylinders

Torque specs

Axel Housing to Differential ...	35 ft lbs
Camshaft nut	100 ft lbs
Crank pulley	80 ft lbs
Exhaust / intake Manifold	45 ft lbs
Head nuts	55 ft lbs
Fly wheel	55 ft lbs
Fly wheel housing to cylinder block bolts ..	55 ft lbs (use safety wire)
Main Bearings	70-80 ft lbs
Oil Pan	20 in lbs (snug) Do Not Over Tighten
Pressure plate	20-25 ft lbs
Rear axle nut	100 ft lbs
Rod Bearings	35 ft lbs
Spark plugs	25 ft lbs
Timing Cover	25 ft lbs
Torque tube to Differential	35 ft lbs
Valve Cover	20 ft lbs
Water Inlet	40 ft lbs
Wheel lug nuts	64 ft lbs

Clearances

Camshaft bearing	.001 - .003
Connecting rod to crankshaft	.001 - .00336
Crank rod pins	1.500 less 1 to 2 thousands for oil - --(1.498/1.499)
Crankshaft bearing size	1.625 less 1 to 2 thousands for oil (1.623- 1.624, subtract .010 or .020 for rods
Crankshaft end play	.004
Flywheel depth.....	1.123 distance from 12 hole surface to refinish surface
Piston to cylinder wall	.002
Piston ring gap - Lower ring	.008 - .010
Piston Ring Gap – Center ring	.010 - .012
Piston Ring Gap – Upper ring	.012 - .015
Main Bearing Clearance	.001 - .0015
Timing gear backlash	.004
Valves in valve guides	.001 - .015
Valve to tappet	.010 - .012 for all valves